



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017<sup>1</sup>

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC  
1150 W. Maple Rd.  
Troy, MI 48084  
Stephen Karrer Phone: 586 754 9000 ext. 32900  
Email: Stephen.karrer@element.com

ACOUSTICS & VIBRATION

Valid To: May 31, 2021

Certificate Number: 0375.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory listed above, **as well as the two (2) satellite laboratories listed below**, to perform the following tests on automobile and automobile components:

<b><u>Test and Test Parameters:</u></b>	<b><u>Test Method(s)/Standard(s):</u></b>
Equivalent Stiffness Test and Analysis	CEPT 01-01-L-601

<sup>1</sup> This accreditation covers testing performed at the main laboratory listed above, and the 2 satellite laboratories listed below.

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC  
1154 Maplelawn  
Troy, MI 48084  
Stephen Karrer Phone: 586 754 9000 ext. 32900  
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<b><u>Test and Test Parameters:</u></b>	<b><u>Test Method(s)/Standard(s):</u></b>
<u>Sound Quality, Sound Intensity and Sound Pressure Analysis<sup>2</sup></u> 32 Channel / 16 Bit A/D / MIC or Intensity Inputs ARTEMIS / LMS Analysis Software	GMW7293; GMW14011
<u>Buzz, Squeak and Rattle<sup>2</sup></u> Objective and Jury Evaluations Vibration Profile Development 500 Pound Peak Force Up to 2 kHz Control Multi-Channel Acquisition Up to 16 Channels (Sound Pressure/Acceleration) 16 Bit A/D	GMW7293

<b><u>Test and Test Parameters:</u></b>	<b><u>Test Method(s)/Standard(s):</u></b>
<u>Experimental Modal Analysis</u> <sup>2</sup> 16 Bit A/D LMS SCADAS 24 Bit D/A	CETP 01-12-E-404; GMW14096
<u>Road Noise and Vibration Measurements</u> <sup>2</sup> Up to 32 Channels 100 K – Samples/Simultaneous +/- 10V Input ICP Input 16 Bit A/D	VADA 06-044
Equivalent Stiffness Test and Analysis	CEPT 01-01-L-601

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC  
5820 Hix Road  
Westland, MI 48185  
Mr. Brian Rilet      Phone: 248 458 5900

<b><u>Test and Test Parameters:</u></b>	<b><u>Test Method(s)/Standard(s):</u></b>
Equivalent Stiffness Test and Analysis	CEPT 01-01-L-601

<sup>2</sup>Also using customer supplied test methods, or methods developed by the lab and approved by the client, within the parameters listed above.





## Accredited Laboratory

A2LA has accredited

### ELEMENT MATERIALS TECHNOLOGY DETROIT LLC

Troy, MI

for technical competence in the field of

### Acoustics and Vibration Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to *joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 16<sup>th</sup> day of October 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0375.04  
Valid to May 31, 2021

*For the types of tests to which this accreditation applies, please refer to the laboratory's Acoustics and Vibration Scope of Accreditation.*